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WHAT IS CLAIMED IS:

1. A magnetic device, comprising:

a magnetic core; and

3 a springable winding, positioned about at least a portion of
4 said magnetic core, having a terminus biased against said magnetic
5 core.

1 The magnetic device as recited in Claim 1 wherein said
2 terminus is configured to be interposed between said magnetic core
3 and a printed circuit board.

1 The magnetic device as recited in Claim 1 wherein said
2 springable winding comprises a material having a spring constant
3 ranging from about 750 to about 2000 grams/inch.

1 The magnetic device as recited in Claim 1 wherein said
2 magnetic core comprises an integrally formed pedestal.

5. The magnetic device as recited in Claim 1 wherein said magnetic core comprises a ferromagnetic material having a composition selected from the group consisting of:

cobalt-iron,

manganese-zinc,

nickel-iron, and

amorphous nickel-phosphide.

6. The magnetic device as recited in Claim 1 wherein said
2 springable winding comprises a substantially-planar wire having a
3 dielectric insulation about said substantially-planar wire.

1 7. The magnetic device as recited in Claim 1 wherein said
2 magnetic core and said springable winding are substantially free of
3 an encapsulant.

8. The magnetic device as recited in Claim 1 wherein said
2 magnetic device is selected from the group consisting of:
3 an inductor,
4 a coupled inductor, and
5 a transformer.

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9. The magnetic device as recited in Claim 1 wherein said

2 magnetic core comprises first and second core halves.

10. The magnetic device as recited in Claim 1 wherein at

2 least a portion of said magnetic core has an aspect ratio of at

3 least 1.6:1.

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Claim 11-20
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11. A method of manufacturing a magnetic device, comprising:
2 ~~11~~ providing a magnetic core;
3 positioning a springable winding having a terminus about at
4 least a portion of said magnetic core; and
5 biasing said terminus against said magnetic core.

12. The method as recited in Claim 11 further comprising
2 forming said springable winding such that said terminus is
3 interposed between said magnetic core and a printed circuit board.

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13. The method as recited in Claim 12 wherein forming
2 includes bending said springable winding about a mandrel.

14. The method as recited in Claim 11 wherein positioning
2 includes positioning a springable winding comprising a material
3 having a spring constant ranging from about 750 to about 2000
4 grams/inch.

15. The method as recited in Claim 11 wherein providing
2 includes providing a magnetic core having an integrally-formed
3 pedestal.

16. The method as recited in Claim 11 wherein providing
2 includes providing a magnetic core composed of a ferromagnetic
3 material selected from the group consisting of:
4 cobalt-iron,
5 manganese-zinc,
6 nickel-iron, and
7 amorphous nickel-phosphide.

17. The method as recited in Claim 11 wherein positioning
2 includes positioning a springable winding formed from a
3 substantially planar wire having a dielectric insulation.

18. The method as recited in Claim 11 wherein providing and
2 positioning include providing a magnetic core and positioning a
3 springable winding wherein said magnetic core and said springable
4 winding are substantially free of an encapsulant.

19. The method as recited in Claim 11 wherein said
2 positioning includes positioning a second springable winding about
3 said magnetic core.

20. The method as recited in Claim 11 wherein providing
2 includes providing wherein *at least* a portion of said magnetic core
3 has an aspect ratio of at least 1.6:1.

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